GOVERNMENT OF INDIA
URBAN DEVELOPMENT
LOK SABHA

UNSTARRED QUESTION NO:3681
ANSWERED ON:27.04.2007
PROVISION OF SOLAR SYSTEM IN GOVERNMENT BUILDINGS
Jha Shri Raghunath

Will the Minister of URBAN DEVELOPMENT be pleased to state:

(a) whether focus of CPWD was desired to be on building design/ which uses maximum solar energy and reduce the energy consumption per sq.metre by half compare to the- present practice;

(b) if so, the number of Government buildings which were constructed after 19.7.2004 in Delhi and outside Delhi and whether provision of solar system was introduced therein;

(c) whether building design of the Government buildings constructed before 10.07.2004 was also changed to use maximum solar energy to reduce the energy consumption;

(d) if not, the authorities responsible for not doing this job ;

(e) whether water harvesting, water recycling and water management scheme in all buildings was to be made in all buildings to reduce the fresh water consumption by atleast 50 per cent within five years from 19.07.2004; and

(f) if so, the number of Government buildings in which this provision was made giving the reasons for not providing this provision in the remaining buildings and the action proposed to be taken against the authorities responsible for implementing the above said provision?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT (SHRI AJAY MAKEN)

(a) No, Sir. There are no such formal directions. However, the buildings designed by CPWD normally incorporate solar passive architectural concepts of energy saving by utilizing adequate day-light ingress, adopting other suitable measure and orientations to get maximum day light most suited to particular climatic conditions and for reducing heat absorption or vice versa as per location of site thus reducing the energy consumption.

(b): Not applicable in view of (a) above.

(c): Building design of old buildings cannot be altered.

(d) : Not applicable in view of (c) above.

(e)&(f): Rainwater harvesting system and waste water recycling is mandatory in all buildings in Delhi as per current Municipal bye-laws. Accordingly such provisions are being provided in all buildings being built in Delhi. For other places, where system is not mandatory, provisions are made as per site condition and requirement. No action is required to be taken against any official as all CPWD buildings are built as per approved and applicable building bye-laws.